Technical Information Bulletin

SUBJECT: TM5000 ROM's **Document No.: 20030**

[ ] Factory Modification [ ] Field Modification [ ] Safety Information [X] Technical Information [ ] General Information [ ] Adv. Tech Information	Applies to: TM5000	Modification Schedule: [ ] TBS [ ] Next Call [ ] Next PM [X] As Necessary	Factory Installed_____ Field Installed_____ FittingTime _____

Summary: New Main and Panel ROMs are being released to improve the operation of the TM5000 (availability is 90 days from this bulletin). TM5000 improvements will be as follows:

1. Master making and printing operation are available at the same time as jogger operations start and sorting operations are completed.
2. Mode of sorter function can be changed through the operation panel on the Risograph while the sorter displays an error message.
3. Sorter is able to resume operation by pressing reset key for 2 seconds when "Call Service (S01~S15)" is displayed.
4. Beep sound is made when keys are pressed during Test Mode function.
5. ROM version of all connected towers is displayed on the "VERSION DISPLAY" in Test Mode operation.
6. Paper size error is not displayed even though the paper size on the paper feed tray of Risograph is changed during stapling operation.
7. Staple jam recovery operation starts at the next bin from which the staple jam occurred.
8. S10 is displayed if the Main door cannot be released.
9. S15 is displayed if staple jam cannot be recovered through stapler home positioning operation.
10. Stapler vertical fine adjustment is available through the dip switches on the Main PCB (see page two for details).
11. Movement of jogger drive shaft is more efficient so Jogger operation time is shortened.
12. Pressing of any button on operation panel is ignored while the sorter is operating.
13. Hook lever solenoid deactivates when stapler unit is activated during Test Mode operation.
14. Main door lock solenoid deactivates during Test Mode operation.

Procedure: Replace old ROMs with new as needed.

Application Tips:

1. Reset key on TM5000 should be pressed for more than two seconds.
2. "Memory SW Initial" operation by Test Mode is required after replacing ROMs (otherwise S28 is displayed and machine operation is interrupted). Electrical power must then be turned OFF and ON.
3. If you switch the TM5000 power supply OFF and ON too quickly, S25 will be displayed.

Part Number Information:

Part Number	Part Name	Serial # Cut-In
888-99601-000	Main ROM Ver. 6.01	#17160495
888-98600-000	Panel ROM Ver. 6.00	#17180449

Stapler Vertical Positioning Adjustment:

[1]1. Choose the direction in which you want to adjust the stapler unit by using Dip SW3. Setting Dip SW3 to ON moves the stapler unit position towards the operation panel or the front of the machine. Setting Dip SW3 to OFF moves the stapler unit position in the opposite direction or towards the rear of the machine.

[2]2. Use Dip SW1 and Dip SW2 to move the stapler unit in one millimeter increments towards the selected direction (see chart below).

Dip SW1	Dip SW2	Dip SW3	Position
OFF	OFF	OFF	Initial Position
ON	OFF	OFF	1mm towards rear
OFF	ON	OFF	2mm towards rear
ON	ON	OFF	3mm towards rear
ON	OFF	ON	1mm towards front
OFF	ON	ON	2mm towards front
ON	ON	ON	3mm towards front

[1] This adjustment is to change the stapling position and does not affect the stapler home position.
[2] This adjustment affects all stapling positions (front/center/rear) including Test Mode operation.